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(71) Applicant (for all designated States except US): **OMNISCIENCE PHARMACEUTICALS** [US/US]; Suite G-18, 4665 South Ash Avenue, Tempe, AZ 85282-6764 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **AZAD, Abdul** [US/US]; 30 W. Carter Drive #21-108, Tempe, AZ 85213 (US). **CHAPARIAN, Michael, G.** [US/US]; 4652 W. Erie Street, Chandler, AZ 85226 (US).

(74) Agents: **KOHN, Kenneth, I.** et al.; Kohn & Associates, Suite 410, 30500 Northwestern Highway, Farmington Hills, MI 48334 (US).

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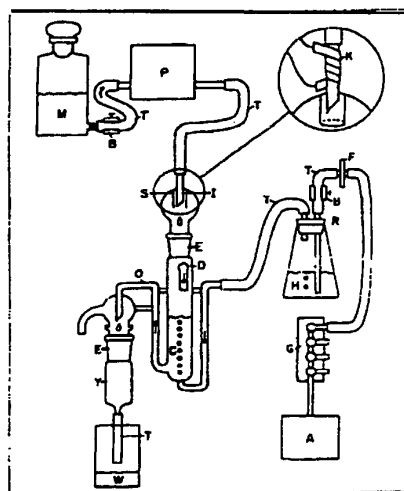
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(54) Title: METHODS AND TARGETS OF ANTIBIOTIC RESISTANCE



- A ... air pump
- C ... growing culture
- D ... air exit port
- F ... filter
- G ... gang valve
- H ... water humidification flask
- I ... input chamber
- K ... heating tape
- M ... fresh medium
- O ... siphon
- P ... peristaltic pump
- W ... waste

(57) Abstract: The present invention provides for a method of evolving and selecting cells resistant to a selective agent by inducing directed evolution in continuous culture while applying both a mutagenic and selective agent to the cells to determine the cells having resistance. This also provides a method of generating mutant drug targets useful for screening for effective compounds. The Figure is a generalized schematic diagram of a chemostat of the present invention.

WO 01/12842 A1